



A MEMBER OF THE **CPDI**
 An Information Portal to Biological Macromolecules
 Structure
 As of Tuesday May 20, 2008 there are 50961 Structures | PC
 Statistics

CONTACT US | HELP | PRINT PAGE

Home Search Results Queries

- ☒ Results (31-40 of 64)
- ☒ Results ID List
- ☒ Modify / Refine this Search
- ☒ 3 Structures Awaiting Release
- ☒ Select All
- ☒ Deselect All
- ☒ Download Selected
- ☒ Tabulate
- ☒ Narrow Query
- ☒ Sort Results
- ☒ Results per Page
- ☒ Show Query Details
- ☒ Results Help



Refine this query by selecting the link "Refine this Search" in the menu above.

☒ PDB ID or keyword ☐ Author

Are you missing data updates? The PDB archive has moved to ftp://ftp.wwpdb.org.
 For more information click here.

Help 64 Structure Hits 52 Ligand Hits 3 Unreleased Structures

37 Citations 26 Web Page Hits 60 Hits SCOP Hits CATH Hits

Advanced Keyword Query for: dipeptidyl peptidase IV

1 2 3 4 5 6 7

☒ 2ecf



Crystal Structure of Dipeptidyl Aminopeptidase IV from *Stenotrophomonas maltophilia*

Characteristics

Release Date: 26-Feb-2008 Exp. Method:

Classification

Resolution: 2.80 Å

Compound

Polymer: 1 Molecule: Dipeptidyl peptidase

Chains: A EC no.: 3.4.14.5

Authors

Nakajima, Y., Ito, K., Yoshimoto, T.

☒ 2aj8



Porcine dipeptidyl peptidase IV (CD26) in complex with 7-Benzyl-1,3-dimethyl-8-piperazin-1-yl-3,7-dihydro-purine-2,6-dione (BDPX)

Characteristics

Release Date: 28-Feb-2006 Exp. Method:

Classification

Resolution: 2.11 Å

Compound

Polymer: 1 Molecule: Dipeptidyl peptidase Fragment: Extracellular domain Chains

no.: 3.4.14.5

Polymer: 3 Molecule: SUGAR (2-MER)

Polymer: 4 Molecule: SUGAR (3-MER)

Authors

Engel, M., Hoffmann, T., Mannhart, J. U., Chambré, S., Huber, R., Demut H.U., Bode, W.

☒ 2ajb


























Porcine dipeptidyl peptidase IV (CD26) in complex with the tripeptide tert-butyl-Gly-L-Pro-L-Ile (tBu-GPI)

Characteristics

Release Date: 28-Feb-2006 Exp. Method:

Resolution: 2.75 Å

 	<p>Classification Hydrolase</p> <p>Polymer: 1 Molecule: Dipeptidyl peptidase Fragment: Extracellular domain Chains</p> <p>no.: 3.4.14.5 </p> <p>Polymer: 2 Molecule: TERT-BUTYL-GL (tBu-GPI) Chains: I,J,K,L</p> <p>Polymer: 4 Molecule: SUGAR (2-MER)</p> <p>Polymer: 5 Molecule: SUGAR (3-MER)</p> <p>Authors Engel, M., Hoffmann, T., Manhart, J. U., Chambre, S., Huber, R., Demut H.U., Bode, W.</p>
<input checked="" type="checkbox"/> 2ajc  	<p>    Porcine dipeptidyl peptidase IV (CD26) in complex with 4-(2-Aminoethyl)-benzene sulphonyl fluoride (AEBSF)</p> <p>Characteristics Release Date: 28-Feb-2006 Exp. Method: Resolution: 1.95 Å</p> <p>Classification Hydrolase</p> <p>Polymer: 1 Molecule: Dipeptidyl peptidase Fragment: Extracellular domain Chains</p> <p>no.: 3.4.14.5 </p> <p>Polymer: 3 Molecule: SUGAR (2-MER)</p> <p>Polymer: 4 Molecule: SUGAR (3-MER)</p> <p>Authors Engel, M., Hoffmann, T., Manhart, J. U., Chambre, S., Huber, R., Demut H.U., Bode, W.</p>
<input checked="" type="checkbox"/> 2ajd  	<p>    Porcine dipeptidyl peptidase IV (CD26) in complex with L-Pro-boro L-Pro (boroPro)</p> <p>Characteristics Release Date: 28-Feb-2006 Exp. Method: Resolution: 2.56 Å</p> <p>Classification Hydrolase</p> <p>Polymer: 1 Molecule: Dipeptidyl peptidase Fragment: Extracellular domain Chains</p> <p>no.: 3.4.14.5 </p> <p>Polymer: 3 Molecule: SUGAR (2-MER)</p> <p>Polymer: 4 Molecule: SUGAR (3-MER)</p> <p>Authors Engel, M., Hoffmann, T., Manhart, J. U., Chambre, S., Huber, R., Demut H.U., Bode, W.</p>
<input checked="" type="checkbox"/> 2d5l  	<p>    Crystal Structure of Prolyl Tripeptidyl Aminopeptidase from Porphyromonas gingivalis</p> <p>Characteristics Release Date: 19-Sep-2006 Exp. Method: Resolution: 2.10 Å</p> <p>Classification Hydrolase</p> <p>Polymer: 1 Molecule: dipeptidyl aminoputative Fragment: residues 39-732 (no.: 3.4.14.-)</p> <p>Nakajima, Y., Ito, K., Xu, Y., Yama</p>

Authors N., Onohara, Y., Yoshimoto, T.

☒ 1f9n



Crystal Structure of human dipeptidyl peptidase IV in complex with a decapeptide (fNPY) at 2.3 Ång. Resolution



Characteristics

Release Date: 29-Mar-2005 Exp. Method:

Resolution: 2.30 Å

Classification

Hydrolase



Compound

Polymer: 1 Molecule: Dipeptidyl peptida

Chains: A,B,C,D EC no.: 3.4.14.5

Polymer: 2 Molecule: Neuropeptide Y

Chains: E,F,G,H

Polymer: 4 Molecule: SUGAR (2-MER)

Authors

Aertgeerts, K., Ye, S., Tennant, M., B., Rogers, J., Sang, B.-C., Skene, D.R., Prasad, G.S.

☒ 1orw



Crystal Structure of Porcine Dipeptidyl Peptidase IV (CD26) in Complex with a Peptidomimetic Inhibitor



Characteristics

Release Date: 06-May-2003 Exp. Method:

Resolution: 2.84 Å

Classification

Hydrolase



Compound

Polymer: 1 Molecule: dipeptidyl peptida

Fragment: EXTRACELLULAR DOMAIN

Chains: A,B,C,D EC no.: 3.4.14.5

Polymer: 3 Molecule: SUGAR (2-MER)

Polymer: 4 Molecule: SUGAR (3-MER)

Authors

Engel, M., Hoffmann, T., Wagner, L M., Heiser, U., Kiefersauer, R., Huf W., Demuth, H.U., Brandstetter, H.

☒ 2bgr



CRYSTAL STRUCTURE OF HIV-1 TAT DERIVED NONAPEPTIDES TAT(1-9) BOUND TO THE ACTIVE SITE OF DIPEPTIDYL PEPTIDASE IV (CD26)



Characteristics

Release Date: 27-Jan-2005 Exp. Method:

Resolution: 2.00 Å

Classification

Hydrolase/ complex



Compound

Polymer: 1 Molecule: DIPEPTIDYL PEF

Fragment: EXTRACELLULAR DOMAIN

29-766 Chains: A,B EC no.: 3.4.14.5

Polymer: 2 Molecule: HIV-1 TAT PROT

N-TERMINAL NONAPEPTIDE Chains:

Polymer: 3 Molecule: SUGAR (3-MER)

Polymer: 5 Molecule: SUGAR (2-MER)

Polymer: 6 Molecule: SUGAR (3-MER)

Polymer: 7 Molecule: SUGAR (2-MER)

Authors

Weihsen, W.A., Liu, J., Reutler, W W., Fan, H.

☒ 2dcm

The Crystal Structure of S603A
Mutated Prolyl Tripeptidyl
Aminopeptidase Complexed with
Substrate

**Characteristics**

Release Date: 19-Sep-2006 Exp. Method:

Resolution: 2.90 Å

Classification

Hydrolase

**Compound**

Polymer: **1** Molecule: **dipeptidyl aminoputative Fragment residues 39-732**
Mutation: **S603A** Chains: **A** EC no.: **3.4**
Nakajima, Y., Ito, K., Xu, Y., Yama
N., Onohara, Y., Yoshimoto, T.

Authors

© RCSB Protein Data Bank